SPNT

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 03/04900

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07K14/72 G06F19/00 G01N33/48

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07K G06F G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
BIOSIS, EPO-Internal, WPI Data, PAJ, MEDLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	WO 03 015692 A (APOLITO CHRISTOPHER J ;LAMBERT MILLARD H III (US); SMITHKLINE BEEC) 27 February 2003 (2003-02-27) the whole document ---	1-23, 26-31
P,X	RANDY K. BLEDSOE ET AL: "Crystal Structure of the Glucocorticoid Receptor Ligand Binding Domain Reveals a Novel Mode of Receptor Dimerization and Coactivator Recognition" CELL, vol. 110, 12 July 2002 (2002-07-12), pages 93-105, XP002257981 the whole document ---	1-23, 26-31
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[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

° Special categories of cited documents :

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Date of the actual completion of the international search	Date of mailing of the international search report
16 October 2003	07 NOV 2003

Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	YVONNE SIÖSTEEN /EÖ

Form PCT/ISA/210 (second sheet) (July 1992)

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	BRIAN M. NECELA ET AL: "Crystallization of the human glucocorticoid receptor ligand binding domain: a step towards selective glucocorticoids" TRENDS IN PHARMACOLOGICAL SCIENCES, vol. 24, no. 2, February 2003 (2003-02), pages 58-61, XP002257982 the whole document	1-23, 26-31
P,X	DATABASE MEDLINE [Online] US NATIONAL LIBRARY OF MEDICINE (NLM), BETHESDA, MD, US; 20 June 2003 (2003-06-20) KAUPPI BJÖRN ET AL: "The three-dimensional structures of antagonistic and agonistic forms of the glucocorticoid receptor ligand-binding domain: RU-486 induces a transconformation that leads to active antagonism." Database accession no. NLM12686538 XP002257983 abstract & THE JOURNAL OF BIOLOGICAL CHEMISTRY. UNITED STATES 20 JUN 2003, vol. 278, no. 25, 20 June 2003 (2003-06-20), pages 22748-22754, ISSN: 0021-9258	1-23, 26-31
X	DATABASE GENBANK ON NCBI [Online] Accession no. AAA16603; 10 March 1994 (1994-03-10) MUNROE, D. G. ET AL: "Alternative splicing within the DNA binding domain creates a novel isoform of the human glucocorticoid receptor" XP002257990 retrieved on 2003-10-10 abstract -& DATABASE GENBANK [Online] Accession no. AAA16603; XP002257991 Registry file RN 481222-48-4 99% identity in 276aa overlap with SEQ ID No 7, 99% identity in 224aa overlap with SEQ ID No 2, 98% identity in 275aa overlap with SEQ ID No 3 abstract	29,30

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE REGISTRY FILE [Online] XP002258182 RN 289516-93-4 99% identity in 276aa with SEQ ID No 1 and 99% identity in 224aa with SEQ ID No 2, RN 289516-93-4 99% identity in 248aa with SEQ ID No 3 abstract	29,30
A	-& WO 00 52050 A (GILLNER M ET AL) 8 September 2000 (2000-09-08) figures 2A,11, ---	1-23, 26-28,31
A	CATHERINE ROBIN-JAGERSCHMIDT ET AL: "Residues in the Ligand Binding Domain That Confer Progestin or Glucocorticoid Specificity and Modulate the Receptor Transactivation Capacity" MOLECULAR ENDOCRINOLOGY, vol. 14, no. 7, 2000, pages 1028-1037, XP002257984	1-23, 26-28,31
X	the whole document ---	29,30
A	DATABASE MEDLINE [Online] US NATIONAL LIBRARY OF MEDICINE (NLM), BETHESDA, MD, US; August 2001 (2001-08) DEY R ET AL: "Homology modelling of the ligand-binding domain of glucocorticoid receptor: binding site interactions with cortisol and corticosterone." Database accession no. NLM11579225 XP002257985 abstract & PROTEIN ENGINEERING. ENGLAND AUG 2001, vol. 14, no. 8, August 2001 (2001-08), pages 565-571, ISSN: 0269-2139 ---	1-23, 26-31
A	WO 99 50658 A (GREENE GEOFFREY L ;AGARD DAVID A (US); ARCH DEV CORP (US); KUSHNER) 7 October 1999 (1999-10-07) the whole document ---	1-23, 26-31
A	B.F. LUISI ET AL: "Crystallographic analysis of the interaction of the glucocorticoid receptor with DNA" NATURE, vol. 352, 8 August 1991 (1991-08-08), pages 497-505, XP002257986 the whole document --- -/--	1-23, 26-31

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WILLIAM BOURGUET ET AL: "Crystal structure of the ligand-binding domain of the human nuclear receptor RXR-alpha" NATURE, vol. 375, 1 June 1995 (1995-06-01), pages 377-382, XP002257987 the whole document ---	1-23, 26-31
A	YIHOUNG WAN ET AL: "Separable Features of the Ligand-Binding Domain Determine the Differential Subcellular Localization and Ligand-Binding Specificity of Glucocorticoid Receptor and Progesterone Receptor" MOLECULAR ENDOCRINOLOGY, vol. 15, no. 1, 2001, pages 17-31, XP002257988 the whole document ---	1-23, 26-31
A	DATABASE BIOSIS [Online] BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; 23 June 2000 (2000-06-23) LIND ULRIKA ET AL: "Functional probing of the human glucocorticoid receptor steroid-interacting surface by site-directed mutagenesis: Gln-642 plays an important role in steroid recognition and binding" Database accession no. PREV200000369093 XP002257992 abstract & JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 275, no. 25, 23 June 2000 (2000-06-23), pages 19041-19049, ISSN: 0021-9258 ---	1-23, 26-31
A	JAN- KE GUSTAFSSON ET AL: "Structure, function and regulation of the glucocorticoid receptor" PROGRESS IN CLINICAL AND BIOLOGICAL RESEARCH, vol. 322, 1990, pages 65-80, XP002257989 the whole document -----	1-23, 26-31